DCMTK - Bug #798

select() crashes on Linux when handling more than 1024 parallel network connections

2017-11-01 10:59 - Marco Eichelberg

Status:	Closed		**Start date:**	2017-11-01
Priority:	High		**Due date:**	
Assignee:	Marco Eichelberg		**% Done:**	100%
Category:	Library		**Estimated time:**	0:00 hour
Target version:	3.6.3			
Module:	dcmnet		**Compiler:**	
Operating System:	Linux			

Description

DCMTK on Linux crashes in select() when handling more than 1024 parallel network connections.
This is a well-known limitation of access(), and documented here: https://access.redhat.com/solutions/488623
The solution is to use poll() instead of select().

Attached a patch and a test program that demonstrates the crash.

Report and patch submitted by Michael Craggs <Michael.Craggs@ith-icoserve.com>.

History

#1 - 2017-12-07 11:43 - Marco Eichelberg

- Assignee set to Marco Eichelberg

#2 - 2018-01-15 19:44 - Marco Eichelberg

- Status changed from New to Closed

- % Done changed from 0 to 100

Closed by commit #5fae4f2.

Files

dcmtk-Poll.tar.gz	30 KB	2017-11-01	Marco Eichelberg